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- (71) Applicant (for all designated States except US): **THE UNIVERSITY OF NOTTINGHAM** [GB/GB]; University Park, Nottingham NG7 2RD (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CROWE, John, Andrew** [GB/GB]; School of Electrical and Electronic Engineering, The University of Nottingham, University Park,

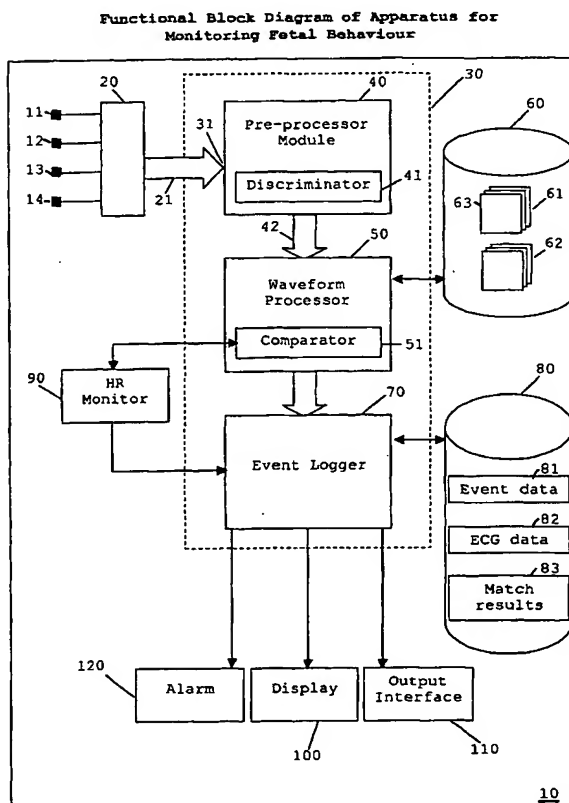
Nottingham NG7 2RD (GB). **JAMES, David** [GB/GB]; School of Human Development, Nottingham University Medical School, The University of Nottingham, University Park, Nottingham NG7 2RD (GB). **HAYES-GILL, Barrie, Robert** [GB/GB]; School of Electrical and Electronic Engineering, The University of Nottingham, University Park, Nottingham NG7 2RD (GB). **BARRATT, Carl, William** [GB/GB]; School of Electrical and Electronic Engineering, The University of Nottingham, University Park, Nottingham NG7 2RD (GB). **PIERI, Jean-Francois** [FR/GB]; School of Electrical and Electronic Engineering, The University of Nottingham, University Park, Nottingham NG7 2RD (GB).

(74) Agent: **CHARIG, Raymond**; Eric Potter Clarkson, Park View House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

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(54) Title: FETAL SURVEILLANCE



(57) Abstract: Fetal behaviour is monitored by receiving ECG data from a set of electrodes attached to a maternal body. A waveform pre-processor identifies a succession of fetal ECG complex waveforms within the received data and a waveform processor determines differences in the succession of fetal ECG complex waveforms over time. An event logger determines from the determined differences a number of fetal movements during the period of time. Fetal spatial presentation and/or position within the uterus may also be determined from fetal ECG data acquired from a plurality of electrodes positioned on the maternal abdomen in a predetermined configuration. A number of fetal ECG complex waveforms are identified within the data, and each of the waveforms is compared with a set of predetermined fetal ECG complex templates ascribed to the predetermined electrode configuration to determine a template that best matches the identified fetal ECG waveforms.



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